



Taizhou Dongsheng New Energy Technology Co., Ltd.

Desert PV Mounting System

Highly resistant to wind and sand fixed PV Mounting



The Highly resistant to wind and sand fixed PV Mounting is designed for extreme environments such as deserts and Gobi. It is made of thickened hot-dip galvanized steel or aluminum-magnesium-zinc material to resist strong wind and sand erosion and ultraviolet aging. It is suitable for soft sandy foundations. The bracket is 1.5-2 meters above the ground to reduce the accumulation of sand and dust to block the components, and the inclination angle is optimized (15° - 25°), taking into account both power generation efficiency and operation and maintenance convenience. The modular design supports rapid installation and is suitable for large-scale ground power stations in deserts. It ensures stable operation of the power station over its 25-year life cycle with high reliability and low maintenance costs.

Technical Parameters

Advantages			Parameters				
Advantage 1	Advantage 2	Advantage 3	Installation Location	Main Material	Design Wind Pressure	Design Bending Pressure	Service Life
Agri-Power Dual Benefit	Land Reuse + Crop Yield Increase	Mechanized Adaptation, Smart Adjustment	Farmland, Greenhouses, Economic Crop Areas	Aluminum Alloy/Carbon Steel	0.55kN/m ²	0.5kN/m ²	25 years

Carport PV Mounting System

Carport PV Mounting



The Carport PV Mounting is an integrated “photovoltaic + carport” solution designed for parking lots, parks and other scenarios. It is made of high-strength galvanized steel or aluminum alloy, combined with single/double slope roof, herringbone and other structural designs, and has both sunshade and rain protection and efficient [power generation functions](#). Photovoltaic components are installed on the top of the bracket, 2.5–4 meters above the ground, with sufficient space for vehicle passage, and the bottom is fixed with embedded piles or bolts. It supports flat or adjustable inclination layout, modular components for rapid installation, and some solutions integrate charging piles and energy storage systems to create green and smart parking lots. It is suitable for scenarios such as industrial and commercial parks and public facilities, taking into account clean power generation, vehicle protection and intensive land use, and helping to build low-carbon cities.

Advantages			Parameters				
Advantage 1	Advantage 2	Advantage 3	Installation Location	Main Material	Design Wind Pressure	Design Bending Pressure	Service Life
Multi-Functional Integration	Quick Installation	High Safety	Commercial Parking Lots/Campuses	Aluminum Alloy/Carbon Steel	0.55kN/m²	0.5kN/m²	25 years

BIPV PV Mounting

M-type Carbon Steel Waterproof PV Mounting



The M-type Carbon Steel Waterproof PV Mounting is a high-performance support system with M-shaped cross-section carbon steel as the main body, designed for roofs or humid environments with strict waterproofing requirements. Its M-type structure uses multiple bending processes to enhance its load-bearing and wind-resistant capabilities. The surface is hot-dip galvanized or aluminum-magnesium-zinc-plated, and is equipped with waterproof strips and sealing buckle designs to effectively block rainwater leakage and extend the life of the bracket and roof. It is suitable for scenes such as flat roofs and color steel tiles, supports flat or small-angle installation of components, and modular components for rapid assembly. It has high strength, corrosion resistance and waterproof integration. It is suitable for [industrial and commercial roof photovoltaics and agricultural greenhouses and other green energy](#) projects that need to take into account both power generation efficiency and waterproof protection.

Advantages			Parameters				
Advantage 1	Advantage 2	Advantage 3	Installation Location	Main Material	Design Wind Pressure	Design Bending Pressure	Service Life
Super Waterproofing	High Load Capacity	Economical Corrosion Resistance	Coastal/Rainy Season Industrial-Commercial Roofs	Carbon Steel	0.55kN/m²	0.5kN/m²	25 years



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